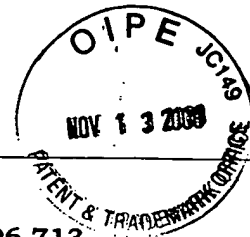


BEST AVAILABLE COPY



FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY DOCKET NO. <p style="text-align: center;">49584 (904)</p>	SERIAL NO. <p style="text-align: center;">09/506,713</p>
APPLICANT(S) N. Mizutani, et al.		
FILING DATE 2/18/00		GROUP NO.

UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
1/M	BA	WO 97/45184	4 12 97	GERMANY			NO

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

1/m	CA	EP 00 10 3058 - European Search Report

EXAMINER: V. Manoharan	DATE: 6/20/02
-------------------------------	----------------------

RECEIVED
 MAR 15 2010
 PATENT & TRADEMARK OFFICE

BEST AVAILABLE COPY

Sheet 1 of 1

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT



ATTY DOCKET NO.

49584(904)

SERIAL NO.

09/506,713

APPLICANT(S) : N. Mizutani, et al

FILING DATE:

February 18, 2000

ART UNIT:

1764

UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPR
Vh	AA	3,717,553	2/20/73	S. Otsuki, et al	202	158	
Vh	AB	3,988,213	10/26/76	S. Yoshida, et al	203	9	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN YES/NO
Vh	BA	EP 0 856 343 A1	8/5/98	EPO			
Vh	BB	10-76103	3/24/98	Japan			See English Abstract & Transla- tion of relevant passages

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

Vh	CA	"Handbook of Distillation Engineering", edited by Hirata Mitsuho and Yorimitsu Masahiro. Published by Asakura Shoten 10/20/66. PP. 332 & 333; 341 & 342. Partial Translation of Relevant Passages provided.
Vh	CB	"Properties of Perforated Trays Devoid of Downcomers", by Naoto Hashimoto and Sadao Masuda. Chemical Engineering, Vol 34, No. 3 (1970), PP. 567-571. Complete Translation provided.

Examiner: V. Garbano

Date:

6/28/02

RECEIVED
MAIL ROOM
JUN 28 2000